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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of	)	
Evan C. Unger, et al.	)	Group Art Unit: 1616
U.S. Serial No. 10/802,919	)	Examiner: TBA
Filed: March 18, 2004	)	Atty. Dkt. No. 006086.00020

For: **METHODS FOR DELIVERING COMPOUNDS INTO A CELL**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.B. 1450  
Alexandria, VA 22313-1450

Sir:

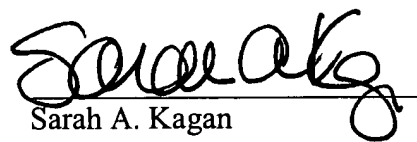
In accordance with 37 C.F.R. §§ 1.97 and 1.98, enclosed is Form PTO/SB/08a listing documents for consideration by the Examiner during the prosecution of the subject application. All cited art was previously disclosed or cited in parent application Serial No. 08,841,169 filed April 29, 1997. Copies of the cited art are available in the parent application.

It is believed that no fee or certification is required. However, if a fee is required, please charge our deposit account no. 19-0733.

Respectfully submitted,

Dated: June 28, 2004

By:

  
Sarah A. Kagan  
Reg. No. 32,141

Banner & Witcoff, Ltd.  
Customer No. 22907

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 71

**Complete if Known**

Application Number	TBA
Filing Date	TBA
First Named Inventor	Evan C. Unger, et al
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	006086.00020

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-5,846,517	12/08/1997	Unger, et al.	
		US- 5,705,187	01/06/1998	Unger	
		US- 5,773,024	06/30/2998	Unger, et al.	
		US- 5,770,222	06/23/1998	Unger, et al.	
		US- 5,830,430	11/03/1998	Unger, et al.	
		US- 5,997,898	12/07/1999	Unger	
		US- 6,033,645	03/07/2000	Unger, et al.	
		US- 6,088,613	07/11/2000	Unger	
		US- 6,123,923	09/26/2000	Unger, et al.	
		US- 6,139,819	10/31/2000	Unger, et al.	
		US- 6,143,276	11/07/2000	Unger	
		US- 6,403,056	06/11/2002	Unger	
		US- 6,414,439	07/02/2002	Unger, et al.	
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**FOREIGN PATENT DOCUMENTS**

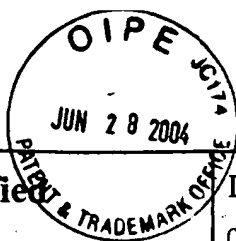
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.

006086.00020

Serial No.

TBA

Applicant

Evan C. Unger et al

Filing Date

TBA

Group

TBA

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AA	4,621,023	11/4/86	Redziniak, et al.	428	402.2
	AB	5,194,188	03/16/93	Gutierrez	264	4.1
	AC	5,283,255	02/01/94	Levy, et al.	514	410
	AD	5,380,411	01/10/95	Schlieff	204	157.15
	AE	6,068,857	05/30/00	Weitschies, et al.	424	489
	AF	6,159,445	12/12/00	Klaveness, et al.	424	9.6
	AG	US 6,261,537 B1	07/17/01	Klaveness, et al.	424	9.52
	AH	US 6,331,289 B1	12/18/01	Klaveness, et al.	424	9.52

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	

**EXAMINER****DATE CONSIDERED**

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. 006086.00020		Serial No. TBA	
				Applicant Evan C. Unger, et al			
				Filing Date TBA		Group TBA	
<b>U. S. PATENT DOCUMENTS</b>							
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<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation YES NO</b>		
	563	WO 91/18612	12/12/91	PCT			
	564	WO 95/32006	11/30/95	PCT			
	565	WO 98/04292	02/05/98	PCT			
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	AA	4,466,442	08/21/84	Hilman et al.	128	653	
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	AC	4,919,895	04/24/90	Heldebrant et al.	422	129	
	AD	5,194,188	03/16/93	Guitierrez	264	4.1	
	AE	5,380,411	01/10/95	Schlieff	204	157.15	
	AF	5,512,268	04/30/96	Grinstaff et al.	424	9.322	
	AG	5,567,415	10/22/96	Porter	424	9.52	
	AH	5,846,517	12/08/98	Unger	424	9.52	
	AI	5,849,727	12/15/98	Porter et al.	514	156	
	AJ	5,997,898	12/07/99	Unger	424	450	
	AK	6,056,938	05/02/00	Unger et al.	424	1.21	
	AL	6,068,857	05/30/00	Weitschies et al.	424	489	
<b>FOREIGN PATENT DOCUMENTS</b>							
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	AM	0 633 030 A1	01/11/95	EP	YES	NO	
	AN	92/05806	04/16/92	WIPO			
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AO</b>	Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report," <i>Jpn. J. Med. Ultrasonics</i> , Vol. 18, No. 5 (1991) (full English language translation provided)	
	<b>AP</b>	Porter, et al., "Multifold Sonicated Dilutions of Albumin with Fifty Percent Dextrose Improve Left Ventricular Contrast Videointensity After Intravenous Injection in Human Beings," <i>Journal of the American Society of Echocardiography</i> , Vol. 7, No. 5, pp. 465-471, September-October 1994	
	<b>AQ</b>	Porter, et al., "Noninvasive Identification of Acute Myocardial Ischemia and Reperfusion With Contrast Ultrasound Using Intravenous Perfluoropropane-Exposed Sonicated Dextrose Albumin," <i>Journal of the American College of Cardiology</i> , Vol. 26, No. 1, pp. 33-40; 1995	
	<b>AR</b>	Porter, et al., "Visually Discernible Myocardial Echocardiographic Contrast After Intravenous Injection of Sonicated Dextrose Albumin Microbubbles Containing High Molecular Weight, Less Soluble Gases," <i>Journal of the American College of Cardiology</i> , Vol. 25, No. 2, pp. 509-515, February 1995	
	<b>AS</b>	Srinivasan, et al., "Characterization of Binding Sites, Extent of Binding, and Drug Interactions of Oligonucleotides with Albumin," <i>Antisense Research and Development</i> , Vol. 5, pp. 131-139, 1995	
	<b>AT</b>	Xie, et al., "Acute Myocardial Ischemia and Reperfusion can be Visually Identified Non-invasively with Intravenous Perfluoropropane-Enhanced Sonicated Dextrose Albumin Ultrasound Contrast," <i>Circulation</i> , Vol. 90, No. 4, Part 2, Abstract 2989, October 1994	
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	<b>AT</b>	Xie, et al., "Acute Myocardial Ischemia and Reperfusion can be Visually Identified Non-invasively with Intravenous Perfluoropropane-Enhanced Sonicated Dextrose Albumin Ultrasound Contrast," <i>Circulation</i> , Vol. 90, No. 4, Part 2, Abstract 2989, October 1994	
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				Applicant <b>Evan C. Unger, et al.</b>			
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<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation YES NO</b>		
	AA	195 41 679 A1	05/15/97	Germany	Abstract		
	AB	WO 93/19768	10/14/93	PCT			
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Frezard, F. et al., "Fluorinated phosphatidylcholine-based liposomes: H <sup>+</sup> /Na <sup>+</sup> permeability, active doxorubicin encapsulation and stability in human serum" <i>Biochim et Biophys Acta</i> , 1994, Vol 1194 (1), pp 61-68	
	AB	Gross, U. et al., "Phospholipid vesiculated fluorocarbons promising trend in blood substitutes" <i>Biomater., Art. Cells &amp; Immob. Biotech.</i> , 1992, Vol 20, (2-4) pp 831-833	
	AC	Riess, Jean G., "Fluorine in our arteries", <i>New J. Chem.</i> , 1995, Vol 19 (8-9), pp 891-909 (English Abstract)	
	AD	Riess, Jean G., "Introducing a new element fluorine-into the liposomal membrane" <i>Journal of Liposome Research</i> , 1995, Vol 5 (3) pp-413-430	
	AE	Santaella, C. et al., "Extended in vivo blood circulation time of fluorinated liposomes" <i>FEBS Letters</i> , 1993, Vol 336(3), pp481-484	
	AF	Trevino, L, et al., "Incorporation of a perfluoroalkylalkane (rfrh) into the phospholipid bilayer of dmpe liposomes results in greater encapsulation stability", <i>Journal of Liposome Research.</i> , 1994, Vol 4 (2) pp 1017-1028	
	AG	Zarif L. et al., "Biodistribution and excretion of a mixed fluorocarbon-hydrocarbon "dowel" emulsion as determined by 19-F NMR", <i>Artificial Cells, Blood Substitutes, and Immobilization Biotechnology</i> , 1994, Vol 22,(4) pp 1193-1198	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Trevedi and Dickson (1995) "Liposome-mediated gene transfer into normal and dystrophin-deficient mouse myoblasts" <i>J. Neurochem</i> 64(5):2230-8 (Abstract only)	
	AB	Watson, A.J. (1995) "Review article: manipulation of cell death--the development of novel strategies for the treatment of gastrointestinal disease" <i>Aliment. Pharmacol. Ther.</i> 9(3):215-26 (Abstract only)	
	AC	Yla-Herttuala (1996) "Gene therapy for cardiovascular diseases" <i>Ann. Med.</i> 28(2):89-93 (Abstract only)	
	AD	Zabner (1996) "Repeat administration of an adenovirus vector encoding cystic fibrosis transmembrane conductance regulator to the nasal epithelium of patients with cystic fibrosis" <i>Clin. Invest.</i> 97(6):1504-1511	
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	AA	Porter, T. R., et al., "Thrombolytic Enhancement with Perfluorocarbon-exposed Sonicated Dextrose Albumin Microbubbles", <i>American Heart Journal</i> , <b>November 1996</b> , Vol. 132, No. 5, pp. 964-968	
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	AB	4,485,193	11/27/84	Rubens et al.	521	58	
	AC	5,639,473	06/17/97	Grinstaff et al.	424	450	
	AD	5,648,098	07/15/97	Porter	424	490	
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b> <b>YES NO</b>		
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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AE	5,695,460	12/09/97	Siegel, et al.	604	21

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	AF	0 901 793 A1	03/17/99	EPO		
	AG	WO 96/40285	12/19/96	PCT		
	AH	WO 99/13919	03/25/99	PCT		

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	AA	Kinsler, L. E., et al., <i>Fundamentals of Acoustics</i> , 3 <sup>rd</sup> Ed., 1982, 228-331	
	AB	Meessen, H. (ed.), <i>Microcirculation</i> , Springer-Verlag, Berlin Heidelberg, New York, 1997, 44	
	AC	Ring, J., et al., "Humanalbuminunverträglichkeit: klinische und immunologische untersuchungen," <i>Clinical Weekly</i> , 1974, 52, 595-598	
	AD	Robinson, et al., F.J. Fry (ed.), "Ultrasound: its applications in medicine and biology," <i>Elsevier Scientific Publishing Company</i> , 1978, Vol. 3, Chap. XI, 593-596	
	AE	Silbernagl, S., et al., "Pocket atlas of physiology," <i>Georg Thieme Verlag</i> , Stuttgart, New York, 1983, 156-157	
	AF	Wells, P.N.T., "Pulse-echo methods," <i>Biomedical Ultrasonics</i> , Academic Press, 1977, 209-220	
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	AG	4,972,002	11/20/90	Volkert	521	120	
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					<b>YES</b>	<b>NO</b>	
	AH	0 224 934	06/10/87	EPO	X		
	AI	0 359 246	03/21/90	EPO	X		
	AJ	WO 85/02772	07/04/85	PCT	X		
	AK	WO 91/09629	07/11/91	PCT	X		
	AL	WO 92/22247	12/23/92	PCT	X		
	AM	3803972	08/10/89	Germany	X (abstract)		
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	AA	5,460,900	10/24/95	Walters	424	9.6	
	AB	5,701,899	12/30/97	Porter	428	662.02	
	AC	5,897,851	04/27/99	Quay et al.	424	9.52	
	AD	5,976,501	11/02/99	Jablonski	424	9.52	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
	AK						
	AL						
	AM						
	AN						
	AO						
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
		Applicant Unger et al.	
		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Ding, X.C., et al., "Scavenging effect of EDTA-fluorocarbon microspheres on <sup>210</sup> Pb," <i>Chung Kuo Yao Li Hsueh Pao</i> 1989, 10(5):473-475. (Abstract)	
EXAMINER		DATE CONSIDERED	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
		Applicant <b>Evan C. Unger et al.</b>	
		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Chortkoff, B.S. et al., "Pharmacokinetics Do Not Explain the Absence of an Anesthetic Effect of Perfluoropropane or Perfluoropentane," <i>Anesth. Analog.</i> , <b>1994</b> , 79, 234-237	
	<b>AB</b>	Sharma, S.K. et al., "Emulsification Methods for Perfluorochemicals," <i>Drug Devel. Indust. Pharmacy</i> , <b>1988</b> , 14(15-17), 2371-2376	
	<b>AC</b>	Tilcock, C. et al., "PEG-coated Lipid Vesicles with Encapsulated Technetium-99m as Blood Pool Agents for Nuclear Medicine," <i>Nucl. Med. Biol.</i> , <b>1994</b> , 2, 165-170	
	<b>AD</b>	Tilcock, C. et al., " <sup>99m</sup> Tc-labeling of Lipid Vesicles Containing the Lipophilic Chelator PE-DTTA: Effect of Tin-to-chelate Ratio, Chelate Content and Surface Polymer on Labeling Efficiency and Biodistribution Behavior," <i>Nucl. Med. Biol.</i> , <b>1994</b> , 1, 89-96	
	<b>AE</b>	Zarif, L. et al., "Synergistic Stabilization of Perfluorocarbon-Pluronic F-68 Emulsion by Perfluoroalkylated Polyhydroxylated Surfactants," <i>JAOCs</i> , <b>1989</b> , 66(10), 1515-1523	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. 006086.00020	Serial No. TBA
	Applicant <b>Evan C. Unger et al.</b>	
	Filing Date TBA	Group TBA

### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AF	5,190,766	03/02/93	Ishihara	424	489
	AG	5,508,021	04/16/96	Grinstaff et al.	424	9.322
	AH	5,562,608	10/08/96	Sekins et al.	604	20
	AI	5,565,215	10/15/96	Gref et al.	424	501
	AJ	5,648,095	07/15/97	Illum et al.	424	489
	AK	5,707,352	01/13/98	Sekins et al.	604	56
	AL	5,736,121	04/07/98	Unger	424	9.4
	AM	5,874,062	02/23/99	Unger	424	9.4

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	AN	WO 91/03267	03/21/91	PCT	X	
	AO	WO 94/21301	09/29/94	PCT	X	
	AP	WO 95/03835	02/09/95	PCT	X	
	AQ	WO 95/32005	11/30/95	PCT	X	

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		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Jackson, B.A. et al., "Effect of ultrasound therapy on the repair of Achilles tendon injuries in rats", <i>Med. &amp; Sci. in Sports &amp; Exercise</i> , <b>1991</b> , 23(2), 171-176	
	<b>AB</b>	Lejbkowitz, F. et al., "The response of normal and malignant cells to ultrasound in vitro", <i>Ultrasound Med. Biol.</i> , <b>1993</b> , 19(1), 75-82 (abstract only)	
	<b>AC</b>	Maxwell, L., "Therapeutic Ultrasound: Its Effects on the Cellular and Molecular Mechanisms of Inflammation and Repair", <i>Physiotherapy</i> , <b>1992</b> , 78(6), 421-426	
	<b>AD</b>	Tuncay, O. et al., "Expression of Genes Associated with Tissue Remodeling Upon Ultrasound Perturbation in the Gingival Fibroblast", <i>J. Dental Res.</i> , <b>1996</b> , 14, 143, Abstract No. 1007	
	<b>AE</b>	Wang, S-J. et al., "Low Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model", <i>J. Orthopaedic Res.</i> , <b>1994</b> , 12, 40-47	
	<b>AF</b>	Yang, K-H. et al., "Exposure to Low-Intensity Ultrasound Increases Aggrecan Gene Expression in a Rat Femur Fracture Model", <i>J. Orthopaedic Res.</i> , <b>1996</b> , 14, 802-809	
	<b>AG</b>	Young, S.R. et al., "The Effect of Therapeutic Ultrasound on Angiogenesis", <i>Ultrasound in Med. &amp; Biol.</i> , <b>1990</b> , 16(3), 261-269	
	<b>AH</b>	Young, S.R. et al., "Effect of therapeutic ultrasound on the healing of full-thickness excised skin lesions", <i>Ultrasonics</i> , <b>1990</b> , 28(3), 175-180	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. 006086.00020		Serial No. TBA	
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				Filing Date TBA		Group TBA	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	AI	4,530,360	07/23/85	Duarte	128	419 F	
	AJ	5,556,372	09/17/96	Talish et al.	601	2	
	AK	5,571,797	11/05/96	Ohno et al.	514	44	
	AL	5,612,318	03/18/97	Weichselbaum et al.	514	44	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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				Filing Date		Group	
				TBA		TBA	
<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	AA	5,569,448	10/29/96	Wong et al.	424	9.45	
	AB	5,804,162	09/08/98	Kabalnov et al.	424	9.51	
	AC	4,919,895	04/24/90	Heldebrant et al.	422	129	
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b> YES NO		
	AD	WO 96/40281	12/19/96	PCT	X		
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				006086.00020		TBA	
				Applicant Evan C. Unger et al.			
				Filing Date		Group	
				TBA		TBA	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	AA	5,840,023	11/24/98	Oraevsky et al.	600	407	
	AB	5,855,865	01/05/99	Lambert et al.	424	9.52	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No. 006086.00020		Serial No. TBA	
				Applicant <b>Evan C. Unger et al.</b>			
				Filing Date TBA		Group TBA	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	AA	5,612,057	03/18/97	Lanza et al.	424	450	
	AB	5,858,399	01/12/99	Lanza et al.	424	450	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No.	Serial No.
		006086.00020	TBA
		Applicant <b>Evan C. Unger et al.</b>	
		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Hynynen et al., "The Usefulness of a Contrast Agent and Gradient Recalled Acquisition in a Steady-State Imaging Sequence for Magnetic Resonance Imaging-Guided Noninvasive Ultrasound Surgery", <i>Investigative Radiology</i> , 1994, 29(10), 897-903	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No.		Serial No.	
				006086.00020		TBA	
				Applicant <b>Evan C. Unger et al.</b>			
				Filing Date		Group	
				TBA		TBA	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	AB	4,693,999	09/15/87	Axelsson et al.	514	174	
	AC	5,740,807	04/21/98	Porter	128	662.02	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
	AD	EP 0 052 575	05/26/82	EPO	X		
	AE	WO 92/22249	12/23/92	PCT	X		
	AF	WO 95/24184	09/14/95	PCT	X		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
		Applicant <b>Evan C. Unger, et al.</b>	
		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Hautanen, A., et al., "Effects of modifications of the RGD sequence and its context on recognition by the fibronectin receptor," <i>J. Biol. Chem.</i> , <b>1989</b> , 264(3), 1437-1442	
	<b>AB</b>	Takeuchi, M., et al., "Enhanced visualization of intravascular thrombus with the use of a thrombus targeting ultrasound contrast agent (MRX408): Evidence from in vivo experimental echocardiographic studies," <i>J. Am. College of Cardiology</i> , <b>1998</b> , 81(12), 1 page, Abstract XP-000952675	
	<b>AC</b>	Unger, E.C., et al., "In vitro studies of a new thrombus-specific ultrasound contrast agent," <i>J. of Cardiology</i> , <b>1998</b> , 81(12), 58G-61G, Abstract XP-002087505	
	<b>AD</b>	Wu, Y., et al., "Binding and lysing of blood clots using MRX-408," <i>Investigate Radiology</i> , <b>1998</b> , 33(12), 880-885	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
		Applicant <b>Evan C. Unger et al.</b>	
		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Lindner et al., "Myocardial Perfusion Characteristics and Hemodynamic Profile of MRX-115, a Venous Echocardiographic Contrast Agent, During Acute Myocardial Infarction", <i>J. Am. Soc. Echocardiography</i> , <b>1998</b> , 11(1), 36-46	
	<b>AB</b>	Regen et al., "Polymerized Phosphatidylcholine Vesicles. Synthesis and Characterization", <i>J. Am. Chem. Soc.</i> , <b>1982</b> , 104(3), 191-195	
	<b>AC</b>	Wei et al., "Quantification of Myocardial Blood Flow with Ultrasound-Induced Destruction of Microbubbles Administered as a Constant Venous Infusion", <i>Circulation</i> , <b>1998</b> , 97, 473-483	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office				Docket No.		Serial No.	
				006086.00020		TBA	
				Applicant <b>Evan C. Unger et al.</b>			
				Filing Date TBA		Group TBA	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	AD	3,291,843	12/13/66	Fritz et al.	260	614	
	AE	3,557,294	01/19/71	Dear et al.	424	342	
	AF	4,427,649	01/24/84	Dingle et al.	424	38	
	AG	4,663,161	05/05/87	Mannino et al.	424	89	
	AH	4,918,065	04/17/90	Stindl et al.	514	179	
	AI	5,008,109	04/16/91	Tin	424	422	
	AJ	5,107,842	04/28/92	Levene et al.	128	662.02	
	AK	5,196,348	03/23/93	Schweighardt et al.	436	173	
	AL	5,339,814	08/23/94	Lasker	128	653.4	
	AM	5,552,155	09/03/96	Bailey et al.	424	450	
	AN	5,679,459	10/21/97	Riess et al.	428	402.2	
	AO	5,711,933	01/27/98	Bichon et al.	424	9.52	
	AP	5,733,527	03/31/98	Schutt	424	9.52	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
	AQ	WO 84/02909	08/02/94	PCT	X		
	AR	WO 92/15284	09/17/92	PCT	X		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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		Applicant <b>Evan C. Unger et al.</b>	
		Filing Date TBA	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report", <i>Jpn. J. Med. Ultrasonics</i> , 1991, 18(5), (Japanese with English language abstract)	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. 006086.00020	Serial No. TBA
	Applicant <b>Evan C. Unger et al.</b>	
	Filing Date TBA	Group <b>Not Yet Assigned</b>

### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AB	4,834,964	05/30/89	Rosen	424	9
	AC	4,984,573	01/15/91	Leunbach	128	653
	AD	5,362,477	11/08/94	Moore et al.	424	9
	AE	5,485,839	01/23/96	Aida et al.	128	653.1
	AF	5,339,814	08/23/94	Lasker	128	653.4
	AG	5,545,396	08/13/96	Albert et al.	424	93
	AH	5,593,680	01/14/97	Bara et al.	424	401
	AI	5,686,102	11/11/97	Gross et al.	424	450
	AJ	5,716,597	02/10/98	Lohrmann et al.	424	9.5
	AK	5,732,707	03/31/98	Widder et al.	128	661.08

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	AL	WO 92/22298	12/23/92	PCT	X	
	AM	WO 94/00110	01/06/94	PCT	X (Abstract Only)	
	AN	WO 94/28873	12/22/94	PCT	X	
	AO	WO 98/00172	01/08/98	PCT	X	
	AP	2 700 952	08/05/94	France	X	
	AQ	25 21 003	08/12/76	Germany	X	
	AR	0 614 656 A1	09/14/94	EPO	X	

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		Applicant <b>Evan C. Unger et al.</b>	
		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Reexamination of U.S. Patent No. 5,527,521, Reexam Control No. 90/004,719	
	<b>AB</b>	Reexamination of U.S. Patent No. 5,547,656, Reexam Control No. 90/004,720	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

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		Applicant Evan C. Unger and Thomas McCreery	
		Filing Date TBA	Group TBA
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Desir et al., "Assessment of regional myocardial perfusion with myocardial contrast echocardiography in a canine model of varying degrees of coronary stenosis", <i>Am. Heart J.</i> , January, 1994, 127(1), 56-63	
	AB	Sekins et al., "Lung Cancer Hyperthermia via Ultrasound and PFC Liquids", <i>Published in Proceedings of 5th International Symposium on Hyperthermic Oncology, Kyoto, Japan, August 29-September 3, 1998, 3 pages</i>	
	AC	Pietersen, "A New Warning System for Fires of Electrical Origin", <i>CERN European Organization for Nuclear Research, Health and Safety Division</i> , March, 1977, 1-5	
EXAMINER		DATE CONSIDERED	

<b>Form PTO-1449 Modified</b>				<b>Docket No.</b> 006086.00020		<b>Serial No.</b> TBA	
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U.S. Department of Commerce Patent and Trademark Office							
<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	AD	5,247,935	09/28/93	Cline et al.	128	653.2	
	AE	5,558,856	09/24/96	Klaveness et al.	424	9.37	
	AF	5,569,449	10/29/96	Klaveness et al.	424	9.51	
	AG	5,614,169	03/25/97	Klaveness et al.	424	9.52	
	AH	5,676,928	10/14/97	Klaveness et al.	424	9.32	
	AI	5,686,060	11/11/97	Schneider et al.	424	9.52	
	AJ	5,707,606	01/13/98	Quay	424	9.52	
	AK	5,707,607	01/13/98	Quay	424	9.52	
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b> YES NO		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Villanueva et al., "Characterization of Spatial Patters of Flow Within the Reperfused Myocardium by Myocardial Contrast Echocardiography", <i>Circulation</i> , Vol. 88, No. 6, pp. 2596-2606 (December 1993)	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>				<b>Docket No.</b> 006086.00020		<b>Serial No.</b> TBA	
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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
	AB	5,135,000	08/04/92	Akselrod et al.	128	662.02	
	AC	5,672,585	09/30/97	Pierschbacher et al.	514	11	
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	AD	WO 92/17514	10/15/92	PCT	X		
	AE	WO 94/07539	04/14/94	PCT	X (abstract Only)		
	AF	0 586 875	03/16/94	EPO	X (abstract Only)		
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		Filing Date TBA	Group Not Yet Assigned
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Nabel et al., "Combined Experience from Phase I Studies with Allovectin-7, a Direct Gene Transfer Immunotherapeutic in Patients with Metastatic Solid Tumors", <i>Proceed. ASCO</i> , March 14, 1995, 14, 226, (31st Annual Meeting of the American Society of Clinical Oncology, May 20-23, 1995) (Abstract No. 582)	
	AB	Rubin et al., "Phase I Study of Immunotherapy of Hepatic Metastasis of Colorectal Carcinoma by Direct Gene Transfer", <i>Proceed. ASCO</i> , March 14, 1995, 14, 228, (31st Annual Meeting of the American Society of Clinical Oncology, May 20-23, 1995) (Abstract No. 589)	
EXAMINER		DATE CONSIDERED	

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<b>Form PTO-1449 Modified</b>				Docket No. 006086.00020	Serial No. TBA	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)				Applicant Evan C. Unger, et al		
				Filing Date TBA	Group Not Yet Assigned	
U.S. Department of Commerce Patent and Trademark Office						
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	AC	4,342,826	08/03/82	Cole	435	7
	AD	5,004,611	04/02/91	Leigh	424	450
	AE	5,192,549	03/09/93	Barenolz et al.	424	450
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
EXAMINER				DATE CONSIDERED		

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
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		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Fitzpatrick, et al., "Metal Ion Catalyzed Decarboxylation: Kinetics and Mechanism of the Oxidative Decarboxylation of Copper (II) Complexes of Aminomalononic Acid in Aqueous Solution", <i>Inorganic Chemistry</i> , Vol. 13, No. 3, pp. 568-574 (1974)	
	AB	Thanassi, "Aminomalononic Acid: Spontaneous Decarboxylation and Reaction with 5-Deoxypyridoxal", <i>Biochemistry</i> , Vol 9, No. 3, pp. 525-532 (1970)	
	AC	Stelmashok et al., <i>Koordinatsionnaya Khimiya</i> , Vol. 3, No. 4, pp. 524-527 (1977) (Russian and English language versions)	
	AD	Mayhew et al., "High-Pressure Continuous-Flow System for Drug Entrapment in Liposomes", <i>Methods in Enzymology</i> , Vol. 149, pp. 64-77 (1987)	
	AE	Mayhew et al., "Characterization of Liposomes Prepared Using a Microemulsifier", <i>Biochimica et Biophysica Acta</i> , Vol. 775, pp. 169-174 (1984)	
	AF	Hope et al., "Production of Large Unilamellar Vesicles by a Rapid Extrusion Procedure: Characterization of Size Distribution, Trapped Volume, and Ability to Maintain a Membrane Potential", <i>Biochimica et Biophysica Acta</i> , 812: 55-65 (1985)	
	AG	Mayer et al., "Vesicles of Variable Size Produced by a Rapid Extrusion Procedure", <i>Biochimica et Biophysica Acta</i> , Vol. 858, pp. 161-168 (1986)	
	AH	Cheng, et al., "The Production and Evaluation of Contrast-Carrying Liposomes Made with an Automatic High Pressure System", <i>Investigative Radiology</i> , Vol. 22, pp. 47-55 (1987)	
EXAMINER		DATE CONSIDERED	



Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date -TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AI	Jain, et al., <i>Introduction to Biological Membranes</i> , Ch. 9, pp. 192-231 (J. Wiley and Sons, N.Y. 1980)	
	AJ	Sigel, H., ed., <i>Metal Ions in Biological Systems: Antibiotics and Their Complexes</i> , Vol. 19 (Marcel Dekker, N.Y. 1985)	
	AK	Nayar et al., "Generation of Large Unilamellar Vesicles From Long-chain Saturated Phosphatidylcholines by Extrusion Technique", <i>Biochimica et Biophysica Acta</i> , Vol. 986, pp. 200-206 (1989)	
	AL	Hope et al., "Generation of Multilamellar and Unilamellar Phospholipid Vesicles", <i>Chemistry and Physics of Lipids</i> , Vol. 40, pp. 89-107 (1986)	
	AM	Mattrey et al., "Perfluorochemicals as US Contrast Agents for Tumor-Imaging and Hepatosplenography: Preliminary Clinical Results", <i>Radiology</i> , Vol. 163, pp. 339-343 (1987)	
	AN	Mattrey et al., "Perfluorooctylbromide: A Liver/Spleen-Specific and Tumor Imaging Ultrasound Contrast Material", <i>Radiology</i> , Vol. 145, pp. 759-762 (1982)	
	AO	Keller et al., "Successful Left Ventricular Opacification Following Peripheral Venous Injection of Sonicated Contrast Agent: An Experimental Evaluation", <i>LV Contrast Echocardiography</i> , Vol. 114, No. 3, pp. 570-575 (1987)	
	AP	Feinstein et al., "Two-Dimensional Contrast Echocardiography, I: In Vitro Development and Quantitative Analysis of Echo Contrast Agents", <i>JACC</i> , Vol. 3, No. 1, pp. 14-20 (1984)	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AQ	Ten Cate et al., "Two-Dimensional Contrast Echocardiography, II: Transpulmonary Studies", <i>JACC</i> , Vol. 3, No. 1, pp. 21-27 (1984)	
	AR	Unger et al., "Hepatic Metastases: Liposomal Gd-DTPA-enhanced MR Imaging", <i>Radiology</i> , Vol. 171, pp. 81-85 (1989)	
	AS	Deamer et al., "Permeability of Lipid Bilayers to Water and Ionic Solutes", <i>Chemistry and Physics of Lipids</i> , Vol. 40, pp.167-188 (1986)	
	AT	Gutknecht et al., "Diffusion of Carbon Dioxide Through Lipid Bilayer Membranes: Effect of Carbonic Anhydrase, Bicarbonate, and Unstirred Layers", <i>Chemical Abstracts</i> , 87:34772q (1977)	
	AU	Scarpa et al., "Cation Permeability of Liposomes as a Function of the Chemical Composition of the Lipid Bilayers", <i>Biochimica et Biophysica Acta</i> , Vol. 241, pp. 789-797 (1971)	
	AV	MacNaughton et al., "Effects of Gaseous Anesthetics and Inert Gases on the Phase Transition in Smectic Mesophases of Dipalmitoyl Phosphatidylcholine", <i>Biochimica et Biophysica Acta</i> , Vol. 597, pp. 193-198 (1980)	
	AW	Tilcock et al., "Liposomal Gd-DTPA: Preparation and Characterization of Relaxivity", <i>Radiology</i> , Vol. 171, pp.77-80 (1989)	
	AX	Mann et al., "Formation of Iron Oxides in Unilamellar Vesicles", <i>Journal of Colloid and Interface Science</i> , Vol. 122, No.2, pp. 326-335 (1988)	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AY	Anderson et al., "Manganese (III) Complexes in Oxidative Decarboxylation of Acids", <i>J. Am. Chem. Soc.</i> , Vol. 92, No.8, pp. 2450-2460 (1970)	
	AZ	Muhlradt et al., "Vitamin B6 Analogs: An Improved Synthesis of 5-Deoxypyridoxal", <i>New Compounds</i> , Vol. 10, pp. 129-130 (1967)	
	BA	Chapman D., "Physiochemical Properties of Phospholipids and Lipid Water Systems", <i>Liposome Technology</i> , Gregoriadis, G., ed., Vol. 1, pp. 1-19 (CRC Press, Boca Raton, FL, 1984)	
	BB	Violante et al., "Particulate Suspensions as Ultrasonic Contrast Agents for Liver and Spleen", <i>Inv. Rad.</i> , Vol. 23, pp. S294-S297, September 1988	
	BC	Fritzsche et al., "Preclinical and Clinical Results with an Ultrasonic Contrast Agent", <i>Inv. Rad.</i> , Vol. 23, pp. S302-S305, September 1988	
	BD	Brochure, <i>Experience, Sonicator™</i> , Heat Systems-Ultrasonics, Inc. (1987)	
	BE	M. Ostro, "Liposomes", Marcel Dekker, New York, pp. 102-103 (1983)	
	BF	Fukuda et al., "Polymer-Encased Vesicles Derived from Diotadecyldimethylammonium Methacrylate", <i>J. Am. Chem. Soc.</i> , Vol. 108, pp. 2321-2327 (1986)	
	BG	Regen, "Polymerized Vesicles", <i>J. Am. Chem. Soc.</i> , Vol. 102, pp. 6638-6640 (1989)	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No.	Serial No.
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		006086.00020	TBA
		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BH	Rose, A. and Rose, E., "The Condensed Chemical Dictionary", Reinhold Publishing, New York, pp. 728 and 743 (1966)	
	BI	A.G. Belykh, <i>Farmakol Toksikol. (MOSC)</i> , Vol. 44(3), pp. 322-326 (1981) (abstract)	
	BJ	J. Vion-Dury et al., <i>J. Pharmacol. Exper. Ther.</i> , Vol. 250(3), pp. 1113-1118 (1989) (abstract)	
	BK	M.R. Zalutsky et al., <i>Invest. Radiol.</i> , Vol. 22(2), pp. 141-147 (1987) (abstract)	
	BL	Crowe et al., <i>Archives of Biochemistry and Biophysics</i> , Vol. 242, pp. 240-247 (1985)	
	BM	Crowe et al., <i>Archives of Biochemistry and Biophysics</i> , Vol. 220, pp. 477-484 (1983)	
	BN	Dorland's Illustrated Medical Dictionary, p. 946, 27th ed. (W.B. Saunders Company, Philadelphia 1988)	
	BO	<i>Liposome Technology</i> , Gregoriadis, G., ed., Vol. I, pp. 1-18, 29-35, 51-65 and 79-107 (CRC Press Inc., Boca Raton, FL, (1984)	
	BP	Madden et al., <i>Chemistry and Physics of Lipids</i> , Vol. 53, pp. 37-46 (1990)	
	BQ	Sinkula et al., <i>J. Pharm. Sci.</i> , Vol. 64, pp. 181-210 (1975)	
	BR	Shiina et al., "Hyperthermiaby Low-frequency Synthesized Ultrasound", <i>IEEE Engineering</i> , pp. 879-880, Vol. 2 (1988) (abstract)	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
U.S. Department of Commerce Patent and Trademark Office		Filing Date TBA	Group TBA
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	BS	McAvoy et al., <i>IEEE Engineering, Ultrasonics Symposium Proceedings</i> , Vol. 2, pp. 677-1248 (1989) (abstract)	
	BT	Chapman et al., "Biomembrane Phase Transitions", <i>J. Biol. Chem.</i> , 1974, 249:2512-2521	
	BU	Hug et al., "Liposomes for the Transformation of Eukaryotic Cells", <i>Biochimica et Biophysica Acta</i> , 1991, 1097:1-17	
	BV	Marsh, <i>CRC Handbook of Lipid Bilayers</i> (CRC Press, Boca Raton, FL 1990) pp. 139-141	
	BW	Szoka et al., "Procedure for Preparation of Liposomes With Large Internal Aqueous Space...", <i>Proc. Natl. Acad. Sci.</i> 1978, 75:4194-4198	
	BX	Acoustic Imaging; AI5200; Convex Curved Linear Array Ultrasound Transducers Operator's Manual, November 20, 1989, 4700-0003-1C, p. 4	
	BY	Bangham et al., "Diffusion of Univalent Ions across the Lamellae of Swollen Phospholipids", <i>J. Mol. Biol.</i> , 1965, 13:238-252	
	BZ	Carson et al., <i>Ultrasound in Med. &amp; Biol.</i> 3, 1978, 341-350	
	CA	Kost et al., <i>Polymers in Medicine II: Biomedical and Pharmaceutical Applications</i> , "Ultrasonic Modulated Drug Delivery Systems", Chiellini et al., ed., (Plenum Press, New York and London), pp. 387-396 (1985)	
	CB	deGier et al., "Relations Between Liposomes and Biomembranes", <i>Annals of The New York Academy of Sciences</i> , 1978, 308:85-99.	
EXAMINER		DATE CONSIDERED	


Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
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		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	CC	Felgner et al., "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", <i>Proc. Natl. Acad. Sci.</i> , 1987, 84:7413-7417	
	CD	Gabizon et al., "Liposome formulations with prolonged circulation time in blood and enhanced uptake by tumors", <i>Proc. Natl. Acad. Sci.</i> , 1988, 85:6949-6953	
	CE	Garelli, et al., <i>Biochimica et Biophysica Acta</i> , Vol. 1127:41-48 (1992)	
	CF	Kawai et al., "New Procedure for DNA Transfection with Polycation and Dimethyl Sulfoxide", <i>Molecular and Cellular Biology</i> , 1984, 4:1172-1174	
	CG	Kuo et al., "Metallocene Antitumor Agents. Solution and Solid-State Molybdenocene Coordination...", <i>J. Am. Chem. Soc.</i> , 1991, 113:9027-9045	
	CH	<i>Mammalian Cell Biotechnology: A Practical Approach</i> , M. Butler, 1991 (Oxford University Press, New York), p. 57-70	
	CI	Mathiowitz et al., "Photochemical Rupture of Microcapsules: A Model System", <i>Journal of Applied Polymer Science</i> , 1981, 26:809-822	
	CJ	May et al., "Cationic Liposomes Enable Bovine Herpesvirus Type 2 DNA to Infect Cells", <i>Acta virol.</i> , 1991, 35:107	
	CK	Poznansky et al., "Biologica Approaches to the Controlled Delivery of Drugs: A Critical Review", <i>Pharmacol, Rev.</i> , 1984, 36:277-336	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	CL	Sato et al., "Recent Aspects in the Use of Liposomes in Biotechnology and Medicine", <i>Prog. Lipid Res.</i> 1992, 4:345-372	
	CM	Simons et al., "Antisense c-myb oligonucleotides inhibit intimal arterial smooth muscle cell accumulation in vivo", <i>Nature</i> , 1992, 359:67-70	
	CN	Thompson, Larry, "At Age 2, Gene Therapy Enters a Growth Phase", <i>Science</i> 1992, 258:744-746	
	CO	Trubetskoy et al. "Cationic liposomes enhance targeted delivery and expression of exogenous DNA...", <i>Biochimica et Biophysica Acta</i> 1992, 131:311-313	
	CP	Umemura et al., "Studies on Sonodynamic Cancer Therapy", <i>IEEE</i> , 1992, O-7803-0785, pp. 354-355	
	CQ	Williams, "Human Gene Therapy: Searching for Better Vectors", <i>ASM News</i> [American Society for Microbiology] 1992, 58:67-69	
	CR	Woodle et al., "Versatility in lipid compositions showing prolonged circulation...", <i>Biochimica et Biophysica Acta</i> 1992, 1105:193-200	
	CS	Zhou et al., "Targeted delivery of DNA by liposomes and polymers", <i>J. of Controlled Release</i> 1992, 19:269-274	
	CT	Mathiowitz et al., "Polyanhydride Microspheres as Drug Carriers", <i>Journal of Applied Polymer Science</i> , Vol. 35, pp. 755-774 (1988)	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	CU	Sankaram et al., "Cholesterol-Induced Fluid-Phase Immiscibility in Membranes", <i>Proc. Natl. Acad. Sci.</i> , Vol. 88, pp. 8686-8690 (1991)	
	CV	<i>Scientific Apparatus Catalog 92/93</i> (VWR Scientific, 1991), "Syringes", pp. 1511-1513; "Filtration, Syringe Filters", pp. 766-768; "Filtration, Membranes", pp. 750-753; "Filtration, Filter Holders", p. 744	
	CW	Gramiak et al., <i>Radiology</i> , "Detection of Intracardiac Blood Flow by Pulsed Echo-Ranging", pp. 415-418 (1971).	
	CX	Feigenbaum et al., <i>Circulation</i> , "Identification of Ultrasound Echoes from the Left Ventricle by Use of Intracardiac Injections of Indocyanine Green", Vol. XL1, pp. 615-621 (1970)	
	CY	Santaella, et al., <i>FEBS 13463</i> , "Extended In Vivo Blood Circulation Time of Fluorinated Liposomes", Vol. 336, No. 3, pp. 481-484 (1993)	
	CZ	Brown and Langer, <i>Annual Review Medicine</i> , 1988, 39:221-29, Annual Review, Inc., "Transdermal Delivery of Drugs", pp. 221-229	
	DA	Moseley, et al., <i>Microbubbles: A Novel MR Susceptibility Contrast Agent</i> , abstract, 1991 Napa, California Meeting of the Society for Magnetic Resonance in Medicine	
	DB	Ter-Pogossia Tomography, Kee, et al., n, "Physical Principles and Instrumentation", <i>Computed Body eds.</i> , Raven Press, New York, Chapter 1, pp. 1-7 (1988)	
EXAMINER		DATE CONSIDERED	



Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	DC	Aronberg, "Techniques", <i>Computed Body Tomography</i> , Kee, et al., eds., Raven Press, New York, Chapter 2, pp. 9-36 (1988)	
	DD	Miller, <i>Ultrasonics</i> (September 1981), "Ultrasonic detection of resonant cavitation bubbles in a flow tube by their second-harmonic emissions," pp. 217-224	
	DE	Dittrich, "Cardiac Muscle Ischemia and Infarction", <i>The Second Annual International Symposium on Contrast Agents in Diagnostic Ultrasound</i> , Atlantic City, NJ (May 7, 1996) (abstract)	
	DF	Pantely, "Intravenous Contrast Echocardiography-Tissue Imaging & Quantification of Coronary Blood Flow", <i>The Second Annual International Symposium on Contrast Agents in Diagnostic Ultrasound</i> , Atlantic City, NJ (May 7, 1996) (abstract)	
	DG	Keown, W. et al., "Methods for Introducing DNA into Mammalian Cells", <i>Methods in Enzymology</i> Vol. 185 "Gene Expression Technology", Goeddel, D., ed., Academic Press, Inc., New York, 1991, pp. 527-537.	
	DH	Wyber, J.A. et al., "The Introduction of Macromolecules into Cells Using Ultrasound", <i>Pharmaceutical Research</i> September 1995 (Supplement), 12(9), S-96, Biotec 2069.	
	DI	"Imarx' Ultrasound Agent Ready for Phase II Trials", <i>Clinica World Medical Device News</i> June 26, 1995, p. 17.	
	DJ	Tischer et al., "The Human Gene for Vascular Endothelial Growth Factor", <i>J. Biol. Chem.</i> , 1991, 266(18), 11947-11954	
	DK	Siegel et al., "Percutaneous Coronary Ultrasonic Angioplasty: Initial Clinical Experience", <i>Eur. Heart J.</i> , 1993, 14, 78, abstract 588	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	DL	Riessen et al., "Percutaneous arterial gene transfer using pure DNA applied to a hydrogel-coated angioplasty balloon", <i>Eur. Heart J.</i> , 1993, 14, 78, abstract 590	
	DM	Rennie et al. (eds.), 1996 Scientific American, September 1996, 126-132	
	DN	Orkin et al., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy", December 7, 1995	
	DO	Schutt et al., "Osmotically Stabilized Microbubble Sonographic Contrast Agents", <i>Acad. Radiol.</i> , Vol. 3, Suppl. 2, pp. S188-S190 (August 1996)	
	DP	Frézard, et al., "Permeability and stability in buffer and in human serum of fluorinated phospholipid-based liposomes", <i>Biochimica et Biophysica Acta</i> , 1192, pp. 61-70 (1994)	
	DQ	Frézard, et al., "Fluorinated Phospholipid-Based Vesicles as Potential Drug Carriers: Encapsulation/Sustaining of Drugs and Stability in Human Serum", <i>Art, Cells, Blood Subs., and Immob. Biotech.</i> , 22(4), pp. 1403-1408 (1994)	
	DR	Chang et al., "Semipermeable Aqueous Microcapsules", <i>Canadian J. Of Phys. And Pharm.</i> , 1966, 44, 115-128	
	DS	Chang, "Semipermeable Microcapsules", <i>Science</i> , 1964, 146, 524-525	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	DT	Deasy, <u>Microencapsulation and Related Drug Processes</u> , 1983, Vol. 20, Chs. 9 and 10, 195-240 (Marcel Dekker, Inc., NY)	
	DU	Yeung et al., "Preparation of Microencapsulated Liposomes", <i>J. Microencapsulation</i> , 1988, 5, 331-337	
	DV	Mattrey et al., <u>Gas Emulsions as Ultrasound Contrast Agents; Preliminary Results in Rabbits and Dogs</u> , <i>Investigative Radiology</i> , Vol. 29, June Supp. 2, pp. S139-S141, 1994	
	DW	Meltzer et al., <u>Transmission of Ultrasonic Contrast Through the Lungs</u> , <i>Ultrasound in Med. &amp; Biol.</i> , Vol. 7, No. 4, 377-384, 1981	
	DX	PR Newswire, April 1, 1986	
	DY	Swanson et al., Chapter 22, "Enhancement Agents for Ultrasound: Fundamentals", <i>Pharmaceuticals In Medical Imaging</i> , pp. 682-687 (1990)	
	DZ	Ophir et al., "Contrast Agents in Diagnostic Ultrasound", <i>Ultrasound in Med. &amp; Biol.</i> , Vol. 15, No. 4, pp. 319-333 (1989)	
	EA	Jacobs, "Intraocular gas measurement using A-scan ultrasound", <i>Current Eye Research</i> , Vol. 5, No. 8, pp. 575-578 (1986)	
	EB	Lincoff et al., "Intravitreal Expansion of Perfluorocarbon Bubbles", <i>Arch. Ophthalmol.</i> , 1980, 98, 1646	
	EC	Lincoff et al., "Intravitreal Longevity of Three Perfluorocarbon Gases", <i>Arch. Ophthalmol.</i> , 1980, 98, 1610-1611	
	ED	Lincoff et al., "The Perfluorocarbon Gases in the Treatment of Retinal Detachment", <i>Ophthalmology</i> , 1983, 90(5), 546-551	
	EE	Gardner et al., "A Survey of Intraocular Gas Use in North America", <i>Arch. Ophthalmol.</i> , 1988, 106, 1188-1189	
	EF	Unger et al., "Liposomal MR Contrast Agents", <i>J. Liposome Research</i> , 1994, 4(2), 811-834	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	EG	Feinstein, Steven B., "Myocardial Perfusion Imaging: Contrast Echocardiography Today and Tomorrow," <i>Journal of the American College of Cardiology</i> , 8(1):251-253 (1986)	
	EH	Keller et al., "The Behavior of Sonicated Albumin Microbubbles Within the Microcirculation: A Basis for Their Use During Myocardial Contrast Echocardiography", <i>Circulation Res.</i> , 65(2):458-465 (1989)	
	EI	Lincoff et al., "Perfluoro-n-butane: A Gas for Maximum Duration Retinal Tamponade," <i>Arch Ophthalmology</i> , 101:460-462 (1983)	
	EJ	Remington's <i>Pharmaceutical Sciences</i> , John Hoover, managing ed., Mack Publishing Company, Easton, PA, pp. 295-298; 736; 1242-1244 (1975)	
	EK	<i>Handbook of Pharmaceutical Excipients</i> , American Pharmaceutical Association, Washington, D.C. and The Pharmaceutical Society of Great Britain, London, England, pp. 181-183 (1986)	
	EL	Barnhart et al., "Characteristics of Albunex™: Air-Filled Microspheres for Echocardiography Contrast Enhancement," <i>Investigative Radiology</i> , 25:S162-164	
	EM	Levene et al., "Characterization of Albunex™," <i>J. Acoust. Soc. Am.</i> , 87(Suppl.1):569-70	
	EN	Miller et al., "Physiochemical Approaches to the Mode of Action of General Anesthetics," <i>J. Amer. Soc. Anesthesiologists</i> , 36(4):339-351 (1972)	
	EO	"Properties and Applications of the 'Freon' Fluorocarbons" in DuPont Freon Technical Bulletin B-2 (E.I. DuPont de Nemours and Company, Wilmington, DE), pp. 1-11 (1964)	
	EP	"'Freon' Fluorocarbons: Properties and Applications" in DuPont Technical Bulletin G-1 (E.I. DuPont de Nemours and Company, Wilmington, DE), pp. 1-10 (1987)	
	EQ	"Encyclopedia of Polymer Science and Engineering," John Wiley & Sons, New York, 1:164-169 (1985)	
	ER	"Concise Encyclopedia of Polymer Science and Engineering," J. Kroschwitz, ed., John Wiley & Sons, New York, pp. 12-13 (1990)	
	ES	Wheatley et al., "Contrast Agents for Diagnostic Ultrasound: Development and Evaluation of Polymer-Coated Microbubbles," <i>Biomaterials</i> , 11:713-717 (1990)	
EXAMINER		DATE CONSIDERED	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	ET	Arai et al., "Immunologically Distinct p53 Molecules Generated by Alternative Splicing", <i>Mol. Cell Biol.</i> , 1986, 6(9), 3232-3239	
	EU	Arai et al., Complete Nucleotide Sequence of the Chromosomal Gene for Human IL-4 and its Expression", <i>J. Immunol.</i> , 1989, 142(1), 274-282	
	EV	Axel et al., "Transformation of Mammalian Cells with Prokaryotic and Eukaryotic Genes", <i>J. Supramol. Struct.</i> , 1979, 8 (Supp. 3), 41	
	EW	Barnes et al., "Gene Therapy and Ovarian Cancer: A Review", <i>Obstetrics and Gynecology</i> , 1997, 89(1), 145-155	
	EX	Bratty et al., "The hammerhead RNA domain, a model ribozyme", <i>Biochim. Biophys. Acta</i> , 1993, 1216, 345-349	
	EY	Delius et al., "Extracorporeal Shock Waves for Gene Therapy", <i>Lancet</i> , 1995, 345, 1377	
	EZ	Fiddes et al., "Structure of genes for human growth hormone and chorionic somatomammotropin", <i>Proc. Natl. Acad. Sci. USA</i> , 1979, 76(9), 4294-4298	
	FA	Foecking et al., "Powerful and versatile enhancer-promoter unit for mammalian expression vectors", <i>Gene</i> , 1986, 45, 101-105	
	FB	Gambihler et al., "Permeabilization of the Plasma Membrane of L1210 Mouse Leukemia Cells Using Lithotripter Shock Waves", <i>J. Membr. Biol.</i> , 1994, 141, 267-275	
EXAMINER		DATE CONSIDERED	

Form PTO-1449 Modified		Docket No. 006086.00020	Serial No. TBA
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger, et al	
		Filing Date TBA	Group TBA
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	FC	Giddings et al., "Selective Expression and Developmental Regulation of the Ancestral Rat Insulin II Gene in Fetal Liver", <i>Mol. Endocrinol.</i> , 1990, 4(9), 1363-1369	
	FD	Higuchi et al., "Characterization of Mutations in the Factor VIII Gene by Direct Sequencing of Amplified Genomic DNA", <i>Genomics</i> , 1990, 6, 65-71	
	FE	Kawabata et al., "Effect of second-harmonic superimposition in efficient induction of sonochemical effect", <i>Ultrasonics Sonochem.</i> , 1996, 3, 1-5	
	FF	Lauer et al., "Towards a New Gene Transfer System: Shock Wave-Mediated DNA Transfer", <i>J. Cell Biochem.</i> , 1994, (Supp. 18A), 226	
	FG	Maier et al., "Thymocytes Express a mRNA that is Identical to Hypothalamic Luteinizing Hormone-Releasing Hormone mRNA", <i>Cell Mol. Neurobiol.</i> , 1992, 12(5), 447-454	
	FH	Mobley et al., "Low Energy Lithotripsy with the Lithostar: Treatment Results with 19,962 Genal and ureteral Calculi", <i>J. Urol.</i> , 1993, 149, 1419-1424	
	FI	McKay, "Structure and function of the hammerhead ribozyme: An unfinished story", <i>RNA</i> , 1996, 2, 395-403	
	FJ	Mitsudomi et al., "Detection and Sequencing of p53 Gene Mutations in Bronchial Biopsy Samples in Patients with Lung Cancer", <i>Chest</i> , 1993, 104(2), 362-365	
**	FK	Rubin et al., 31st Annual Meeting of the American Society of Clinical Oncology, May 20-23, 1995, (Abstract No. 589)	
	FL	Thompson, "At Age 2, Gene Therapy Enters a Growth Phase", <i>Science</i> , 1992, 258, 744-746	
	FM	Trucco et al., "Rapid Detection of IDDM Susceptibility with HLA-DQ $\beta$ -Alleles as Markers", <i>Diabetes</i> , 1989, 38, 1617-1622	
EXAMINER		DATE CONSIDERED	

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020	Serial No. TBA
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		Filing Date TBA	Group TBA
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	FN	Tsujimoto et al., "Analysis of the structure, transcripts, and protein products of <i>bcl-2</i> , the gene involved in human follicular lymphoma", <i>Proc. Natl. Acad. Sci. USA</i> , 1986, 83, 5214-5218	
	FO	Zhang et al., "Ultrasonic Direct Gene Transfer the Establishment of High Efficiency Genetic Transformation System for Tobacco", <i>Sci. Agric. Sin.</i> , 1991, 24, 83-89 (Abstract attached)	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

Form PTO-1449 Modified				Docket No. 006086.00020		Serial No. TBA	
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)				Applicant Evan C. Unger, et al			
				Filing Date TBA		Group TBA	
U.S. Department of Commerce Patent and Trademark Office							
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	FP	4,276,885	7/7/81	Tickner et al.	128	660	
	FQ	4,344,929	8/17/82	Bonsen et al.	424	15	
	FR	4,466,442	8/21/84	Hilmann et al.	128	653	
	FS	4,533,254	8/6/85	Cook et al.	366	176	
	FT	4,572,203	2/25/86	Feinstein	128	661	
	FU	4,603,044	7/29/86	Geho et al.	424	9	
	FV	4,675,310	6/23/87	Chapman et al.	514	6	
	FW	4,718,433	1/12/88	Feinstein	128	660	
	FX	4,728,575	3/1/88	Gamble et al.	428	402.2	
	FY	4,728,578	3/1/88	Higgins et al.	428	462	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
	FZ	US85/01161	3/14/85	PCT	X		
	GA	2193095A	2/3/88	Great Britain	X		
	GB	0 361 894	4/4/90	EPA	X		
	GC	WO 86/01103	2/27/86	PCT	X		
	GD	0 272 091	6/22/88	EPO	X		
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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	GE	4,737,323	4/12/88	Martin et al.	264	4.3
	GF	4,774,958	10/4/88	Feinstein	128	660.01
	GG	4,863,717	9/5/89	Keana	424	9
	GH	4,844,882	7/4/89	Widder et al.	424	9
	GI	4,192,859	3/11/80	Mackaness et al.	424	5
	GJ	4,921,706	5/1/90	Roberts et al.	424	450
	GK	4,790,891	12/13/88	Halliday et al.	149	2
	GL	4,162,282	7/24/79	Fulwyler et al.	264	9
	GM	4,938,947	7/3/90	Nicolau et al.	424	1.1
	GN	4,900,540	2/13/90	Ryan et al.	424	9

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	GO	WO 91/00086	01/10/91	PCT (France)	X (abstract)	
	GP	WO 91/15244	10/17/91	PCT	X	
	GQ	0 338 971	10/25/89	EPO (Germany)	X (abstract)	
	GR	0 107 559	05/02/84	EPO (France)	X (abstract)	
	GS	WO 82/01642	5/27/82	PCT	X	

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	Applicant Evan C. Unger, et al	
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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	GT	4,544,545	10/1/85	Ryan et al.	424	1.1
	GU	4,331,654	5/25/82	Morris	424	38
	GV	3,532,500	10/6/70	Priest et al.	96	91
	GW	4,310,506	1/12/82	Baldeschieler et al.	424	1
	GX	4,310,505	1/12/82	Baldeschieler et al.	424	1
	GY	4,586,512	5/6/86	Do-huu et al.	128	660
	GZ	4,620,546	11/4/86	Aida et al.	128	660
	HA	4,658,828	4/21/87	Dory	128	660
	HB	4,865,836	9/12/89	Long, Jr.	424	5
	HC	4,646,756	3/3/87	Watmough et al.	128	804

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	HD	WO 89/05040	6/1/89	PCT	X	
	HE	WO 86/00238	1/16/86	PCT	X	
	HF	WO 90/04943	5/17/90	PCT	X	
	HG	WO 80/02365	11/13/80	PCT	X	

EXAMINER	DATE CONSIDERED
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<b>Form PTO-1449 Modified</b> List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. 006086.00020		Serial No. TBA		
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		Filing Date TBA		Group TBA		
<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	HH	4,893,624	1/16/90	Lele	128	399
	HI	4,689,986	9/1/87	Carson et al.	73	19
	HJ	4,657,756	4/14/87	Rasor et al.	424	9
	HK	4,781,871	11/1/88	West III et al.	264	4.3
	HL	4,957,656	9/18/90	Cerny et al.	252	311
	HM	4,830,858	5/16/89	Payne et al.	424	450
	HN	4,684,479	8/4/87	D'Arrigo	252	307
	HO	5,215,680	6/1/93	D'Arrigo	252	307
	HP	5,171,755	12/15/92	Kaufman	514	759
	HQ	4,898,734	2/6/90	Mathiowitz et al.	424	426
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
	HR	WO 93/05819	1/4/93	PCT	X	
	HS	WO 93/06869	4/15/93	PCT	X	
	HT	WO 93/20802	10/28/93	PCT	X	
	HU	SHO 63-60943	3/17/88	Japan	X	
	HV	0 554 213 A1	8/4/93	EPO	X	
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<b>Form PTO-1449 Modified</b>  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. 006086.00020	Serial No. TBA
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	Filing Date TBA	Group TBA

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	HW	4,776,991	10/11/88	Farmer et al.	264	4.3
	HX	5,088,499	02/18/92	Unger	128	662.2
	HY	5,194,266	03/16/93	Abra et al.	424	450
	HZ	5,198,225	03/30/93	Meybeck et al.	424	450
	IA	4,927,623	5/22/90	Long, Jr.	424	5
	IB	4,442,843	4/17/84	Rasor et al.	128	660
	IC	4,681,119	7/21/87	Rasor et al.	128	660
	ID	5,049,388	9/17/91	Knight et al.	424	450
	IE	4,315,514	2/16/82	Drewes et al.	128	653
	IF	4,569,836	2/11/86	Gordon	424	1/1

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	IG	0 314 764 B1	9/9/92	EPO	X	
	IH	0 458 745 A1	11/27/91	EPO	X	
	II	0 216 730	1/23/91	EPO	X	
	IJ	WO 93/13809	7/22/93	PCT	X	

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<b>Form PTO-1449 Modified</b>  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. 006086.00020	Serial No. TBA
	Applicant Evan C. Unger, et al	
	Filing Date TBA	Group TBA

## U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	IK	4,426,330	1/17/84	Sears	260	403
	IL	4,534,899	8/13/85	Sears	260	403
	IM	5,271,928	12/21/93	Schneider et al.	424	9
	IN	4,229,360	10/21/80	Schneider et al.	260	403
	IO	B1 4,229,360	11/5/91	Schneider et al.	260	403
	IP	4,089,801	5/16/78	Schneider	252	316
	IQ	4,224,179	9/23/80	Schneider	252	316
	IR	4,987,154	1/22/91	Long, Jr.	514	772
	IS	5,219,538	6/15/93	Henderson et al.	428	402.2
	IT	5,316,771	5/31/94	Barenholz et al.	424	450

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	IU	WO 92/10166	6/25/92	PCT	X	
	IV	0 324 938	7/26/89	EPO	X	
	IW	0 231 091	8/5/87	EPO	X	

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U.S. Department of Commerce Patent and Trademark Office						
<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	IX	5,195,520	3/23/93	Schlieff et al.	128	660.02
	IY	3,873,564	3/25/75	Schneider et al.	260	309.6
	IZ	5,045,304	9/3/91	Schneider et al.	424	9
	JA	4,877,561	10/31/89	Iga et al.	264	4.3
	JB	5,213,804	5/25/93	Martin et al.	424	450
	JC	4,895,719	1/23/90	Radhakrishnan	424	45
	JD	5,008,050	4/16/91	Cullis et al.	264	4.3
	JE	5,114,703	5/19/92	Wolf et al.	424	5
	JF	5,013,556	5/7/91	Woodle et al.	424	450
	JG	5,000,960	3/19/91	Wallach	424	450
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
	JH	WO 92/17212	10/15/92	PCT	X	
	JI	WO 92/17213	10/15/92	PCT	X	
	JJ	WO 92/17436	10/15/92	PCT	X	
	JK	WO 92/21382	10/10/92	PCT	X	
	JL	WO 93/17718	9/16/93	PCT	X	
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	Applicant Evan C. Unger, et al	
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## U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	JM	5,310,540	5/10/94	Giddey et al.	424	9
	JN	5,425,366	6/20/95	Reinhardt et al.	128	662.02
	JO	4,775,522	10/4/88	Clark, Jr.	424	9
	JP	4,731,239	3/15/88	Gordon	424	9
	JQ	5,350,571	9/27/94	Kaufman et al.	424	9
	JR	4,615,879	10/7/86	Runge et al.	424	9
	JS	5,380,519	1/10/95	Schneider et al.	424	9
	JT	5,393,524	2/28/95	Quay	424	9
	JU	5,196,183	3/23/93	Yudelso et al.	424	9
	JV	4,996,041	2/26/91	Arai et al.	424	9

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	JW	WO 94/16739	8/4/94	PCT	x	
	JX	WO 95/07072	3/16/95	PCT	Partial -claims only	
	JY	EP 0 077 752 B1	3/5/86	EP	Partial -claims only	

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DATE CONSIDERED

<b>Form PTO-1449 Modified</b>  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. 006086.00020	Serial No. TBA
	Applicant Evan C. Unger, et al	
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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	JZ	5,147,631	9/15/92	Glajch et al.	424	9
	KA	5,186,922	2/16/93	Shell et al.	128	654
	KB	4,428,924	1/31/84	Millington	424	4
	KC	5,413,774	5/9/95	Schneider et al.	424	9.51
	KD	5,409,688	4/25/95	Quay	424	9
	KE	5,410,516	4/25/95	Uhlendorf et al.	367	7
	KF	5,305,757	4/26/94	Unger et al.	128	662.02
	KG	5,334,381	8/2/94	Unger	424	9
	KH	5,123,414	6/23/92	Unger	128	654
	KI	5,433,204	7/18/95	Olson	128	661.08

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	KJ	WO 90/04384	5/3/90	PCT	X	
	KK	WO 94/09829	5/11/94	PCT	X	
	KL	WO 94/21302	9/29/94	PCT	X	
	KM	WO 91/12823	9/5/91	PCT	X	
	KN	0 357 164 B1	10/23/91	EPO	Partial -claims only	

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				Filing Date TBA		Group TBA	
<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	KO	5,445,813	8/29/95	Schneider et al.	424	9.51	
	KP	5,141,738	8/25/92	Rasor et al.	424	2	
	KQ	4,981,692	1/1/91	Popescu et al.	424	422	
	KR	5,149,319	9/22/92	Unger	604	22	
	KS	5,209,720	5/11/93	Unger	604	22	
	KT	5,228,446	7/20/93	Unger et al.	128	662.02	
	KU	5,230,882	7/27/93	Unger	424	9	
	KV	5,352,435	10/4/94	Unger	424	9	
	KW	5,190,982	3/2/93	Erbel et al.	521	56	
	KX	5,137,928	8/11/92	Erbel et al.	521	56	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES                      NO		
	KY	0 320 433 A2	12/2/88	EPO	Abstract only		
	KZ	0 467 031 A2	5/13/91	EPO	X		
	LA	0 243 947	4/29/87	EPO	X		
	LB	WO 96/04018	2/15/96	PCT	X		
	LC	WO 96/09793	4/4/96	PCT	X		
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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	Applicant Evan C. Unger, et al	
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## U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	LD	5,205,287	4/27/93	Erbel et al.	128	632
	LE	5,470,582	11/28/95	Supersaxo et al.	424	489
	LF	5,529,766	6/25/96	Klaveness et al.	424	9.52
	LG	5,487,390	1/30/96	Cohen et al.	128	662.02
	LH	5,531,980	7/2/96	Schneider et al.	424	9.52
	LI	5,536,489	7/16/96	Lohrmann et al.	424	9.52
	LJ	5,536,490	7/16/96	Klaveness et al.	424	9.52
	LK	5,315,997	5/31/94	Widder et al.	128	653.3
	LL	5,469,854	11/28/95	Unger et al.	128	662.02
	LM	5,505,932	4/9/96	Grinstaff et al.	424	9.3

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	LN	WO 95/06518	3/9/95	PCT	X	
	LO	EP 441,468 A2	8/14/91	EPO	X	
	LP	EP 357,163 A1	3/7/90	EPO	X	
	LQ	EP 0 727 225 A2	8/21/96	EPO	X	
	LR	WO 94/06477	03/31/94	PCT	X	
EXAMINER			DATE CONSIDERED			

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U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
—	LS	5,540,909	7/30/96	Schutt	424	9.52
—	LT	5,496,535	3/5/96	Kirkland	424	9.37
	LU	5,344,930	9/6/94	Riess et al.	544	84
	LV	5,560,364	10/1/96	Porter	128	662.02
	LW	5,562,893	10/08/96	Lohrmann	424	9.52
	LX	5,567,413	10/22/96	Klaveness et al.	424	9.51
	LY	5,567,414	10/22/96	Schneider et al.	424	9.52
	LZ	5,567,765	10/22/96	Moore et al.	524	801
	MA	5,552,133	09/03/96	Lambert et al.	424	9.52
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
	MB	WO 95/23615	09/08/95	PCT	X	
	MC	62 286534	12/87	Japan	X (Abstract Only)	
	MD	1,044,680	10/66	Great Britain	X	
	ME	WO 96/36286	11/21/96	PCT	X	
	MF	WO 92/11873	7/23/92	PCT	X (Abstract Only)	
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				Applicant Evan C. Unger, et al			
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<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
	MG	3,015,128	01/02/62	Sommerville et al.	18	2.6	
	MH	3,594,326	07/20/71	Himmel et al.	252	316	
	MI	3,732,172	05/08/73	Herbig et al.	252	316	
	MJ	3,945,956	03/23/76	Garner	260	2.5B	
	MK	4,108,806	08/22/78	Cohrs et al.	521	54	
	ML	4,179,546	12/18/79	Garner et al.	521	56	
	MM	4,420,442	12/13/83	Sands	264	13	
	MN	4,421,562	12/20/83	Sands et al.	106	75	
	MO	4,540,629	09/10/85	Sands et al.	428	402	
	MP	4,549,892	10/29/85	Baker et al.	65	21.4	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
	MQ	WO 90/01952	3/8/90	PCT	X (Abstract Only)		
	MR	AU-B-30351/89	3/18/93	Australia	X		
	MS	WO 93/00933	01/21/93	PCT	X		
	MT	WO 94/28780	12/22/94	PCT	X		
	MU	WO 89/02464	03/23/89	PCT	X		
	MV	AU 641363	03/08/90	Australia	X		
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U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	MW	5,019,370	05/28/91	Jay et al.	424	4
	MX	5,205,290	04/27/93	Unger	128	653.4
	MY	4,822,534	04/18/89	Lencki et al.	264	4.3
	MZ	3,293,114	12/20/66	Kenaga et al.	162	168
	NA	3,479,811	11/25/69	Walters	57	153
	NB	3,488,714	01/06/70	Walters et al.	161	161
	NC	3,615,972	10/26/71	Morehouse et al.	156	79
	ND	5,078,994	01/07/92	Nair et al.	424	501
	NE	4,138,383	02/06/79	Rembaum et al.	260	29.7H
	NF	4,789,501	12/06/88	Day et al.	252	645
	NG	3,960,583	06/01/76	Netting et al.	106	122
FOREIGN PATENT DOCUMENTS						
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Examiner Initial		Document No.	Date	Name	Class	Subclass
	NH	5,362,478	11/8/94	Desai et al.	424	9
	NI	5,281,408	1/25/94	Unger	424	4
	NJ	5,456,900	10/10/95	Unger	424	9.4
	NK	5,527,521	6/18/96	Unger	424	93
	NL	5,547,656	8/20/96	Unger	424	9.4
	NM	5,358,702	10/25/94	Unger	424	9
	NN	4,985,550	1/15/91	Charpiot et al.	536	18.4
	NO	5,498,421	3/12/96	Grinstaff et al.	424	450
	NP	4,993,415	2/19/91	Long	128	653 A
	NQ	5,573,751	11/12/96	Quay	424	9.52
	NR	5,606,973	03/04/97	Lambert et al.	128	662.02
FOREIGN PATENT DOCUMENTS						
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U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	NS	5,558,094	09/24/96	Quay	128	662.02
	NT	5,558,853	09/24/96	Quay	424	9.5
	NU	5,558,854	09/24/96	Quay	424	9.52
	NV	5,558,855	09/24/96	Quay	424	9.5
	NW	5,595,723	01/21/97	Quay	424	9.5
	NX	5,585,112	12/17/96	Unger et al.	424	450
	NY	5,556,610	09/17/96	Yan et al.	424	9.52
	NZ	5,578,292	11/25/96	Schneider et al.	424	9.51
	OA	4,933,121	06/12/90	Law et al.	264	4.3
	OB	5,315,998	05/31/96	Tachibana et al.	128	660.01
	OC	5,620,689	04/15/97	Allen et al.	424	178.1
	OD	5,643,553	07/01/97	Schneider et al.	424	9.52
	OE	5,502,094	03/26/96	Moore et al.	524	145
	OF	4,265,251	05/05/81	Tickner	128	660
	OG	5,354,549	10/11/94	Klaveness et al.	424	3
FOREIGN PATENT DOCUMENTS						
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## U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	OH	5,501,863	03/26/96	Rössling et al.	424	489
	OI	5,605,673	02/25/97	Schutt et al.	424	9.51
	OJ	5,626,833	05/06/97	Schutt et al.	424	9.52
	OK	5,639,443	06/17/97	Schutt et al.	424	9.52
	OL	3,650,831	03/21/72	Jungermann et al.	134	27
	OM	3,968,203	07/06/76	Spitzer et al.	424	47
	ON	4,027,007	05/31/77	Messina	424	46
	OO	5,205,290	04/27/93	Unger	128	653.4
	OP	5,562,892	10/08/96	Kirk et al.	423	555
	OQ	5,276,145	01/04/94	Bottenstein	530	399
	OR	5,532,108	07/02/96	Volgelstein	435	240.2
	OS	5,539,094	07/23/96	Reed et al.	536	23.5
	OT	5,542,935	08/06/96	Unger et al.	604	190
	OU	5,558,092	09/24/96	Unger et al.	128	660.03

## FOREIGN PATENT DOCUMENTS

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